

91-02.ST25.txt
SEQUENCE LISTING

<110> Greenlee, Winner and Sullivan, P.C.
Vogel, Viola

<120> Use of Adhesion Molecules as Bond Stress-Enhanced Nanoscale Binding
Switches

<130> 91-02

<150> US 60/392,467

<151> 2002-06-27

<160> 16

<170> PatentIn version 3.1

<210> 1

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<212> PRT

<213> Escherichia coli

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Ala Pro Ala Val Asn Val Gly
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<212> PRT

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Thr Pro Val Ser Ser Ala Gly Gly Val Ala Ile Lys Ala Gly
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Ala Asn Asn Asp Val Val Val Pro Thr Gly Gly
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Ala Pro Ala Val Asn Val Gly Gln
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Thr Pro Val Ser Ser Ala Gly Gly Val Ala Ile Lys Ala Gly Ser
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<212> PRT

<213> Artificial Sequence

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<223> Artificial peptide of SEQ ID NO:4 with an amino acid substitution

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Ala	Asn	Asn	Asp	Val	Pro	Val	Pro	Thr	Gly	Gly
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Ala Asn Asn Asp Val Val Pro Pro Thr Gly Gly
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<210> 11

<211> 11

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Ala Asn Asn Asp Pro Pro Val Pro Thr Gly Gly
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<210> 12

<211> 11

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Ala Asn Asn Asp Val Pro Pro Pro Thr Gly Gly
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<213> Escherichia coli

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35 40 45Val Asn Val Gly Gln Asn Leu Val Val Asp Leu Ser Thr Gln Ile Phe
50 55 60Cys His Asn Asp Tyr Pro Glu Thr Ile Thr Asp Tyr Val Thr Leu Gln
65 70 75 80Arg Gly Ser Ala Tyr Gly Gly Val Leu Ser Ser Phe Ser Gly Thr Val
85 90 95Lys Tyr Asn Gly Ser Ser Tyr Pro Phe Pro Thr Thr Ser Glu Thr Pro
100 105 110Arg Val Val Tyr Asn Ser Arg Thr Asp Lys Pro Trp Pro Val Ala Leu
115 120 125Tyr Leu Thr Pro Val Ser Ser Ala Gly Gly Val Ala Ile Lys Ala Gly
130 135 140Ser Leu Ile Ala Val Leu Ile Leu Arg Gln Thr Asn Asn Tyr Asn Ser
145 150 155 160Asp Asp Phe Gln Phe Val Trp Asn Ile Tyr Ala Asn Asn Asp Val Val
165 170 175

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Val Pro Thr Gly Gly Cys Asp Val Ser Ala Arg Asp Val Thr Val Thr
180 185 190

Leu Pro Asp Tyr Pro Gly Ser Val Pro Ile Pro Leu Thr Val Tyr Cys
195 200 205

Ala Lys Ser Gln Asn Leu Gly Tyr Tyr Leu Ser Gly Thr Thr Ala Asp
210 215 220

Ala Gly Asn Ser Ile Phe Thr Asn Thr Ala Ser Phe Ser Pro Ala Gln
225 230 235 240

Gly Val Gly Val Gln Leu Thr Arg Asn Gly Thr Ile Ile Pro Ala Asn
245 250 255

Asn Thr Val Ser Leu Gly Ala Val Gly Thr Ser Ala Val Ser Leu Gly
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Leu Thr Ala Asn Tyr Ala Arg Thr Gly Gly Gln Val Thr Ala Gly Asn
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Val Gln Ser Ile Ile Gly Val Thr Phe Val Tyr Gln
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<211> 279

<212> PRT

<213> Escherichia coli

<400> 15

Phe Ala Cys Lys Thr Ala Asn Gly Thr Ala Ile Pro Ile Gly Gly Gly
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20 25 30

Asn Leu Val Val Asp Leu Ser Thr Gln Ile Phe Cys His Asn Asp Tyr
35 40 45

Pro Glu Thr Ile Thr Asp Tyr Val Thr Leu Gln Arg Gly Ser Ala Tyr
50 55 60

Gly Gly Val Leu Ser Ser Phe Ser Gly Thr Val Lys Tyr Asn Gly Ser
65 70 75 80

Ser Tyr Pro Phe Pro Thr Thr Ser Glu Thr Pro Arg Val Val Tyr Asn
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Ser Arg Thr Asp₁₀₀ Lys Pro Trp Pro Val₁₀₅ Ala Leu Tyr Leu Thr₁₁₀ Pro Val
 Ser Ser Ala₁₁₅ Gly Gly Val Ala Ile₁₂₀ Lys Ala Gly Ser Leu₁₂₅ Ile Ala Val
 Leu Ile₁₃₀ Leu Arg Gln Thr Asn₁₃₅ Asn Tyr Asn Ser Asp₁₄₀ Asp Phe Gln Phe
 Val₁₄₅ Trp Asn Ile Tyr Ala₁₅₀ Asn Asn Asp Val Val₁₅₅ Val Pro Thr Gly Gly₁₆₀
 Cys Asp Val Ser Ala₁₆₅ Arg Asp Val Thr Val₁₇₀ Thr Leu Pro Asp Tyr₁₇₅ Pro
 Gly Ser Val Pro₁₈₀ Ile Pro Leu Thr Val₁₈₅ Tyr Cys Ala Lys Ser₁₉₀ Gln Asn
 Leu Gly Tyr₁₉₅ Tyr Leu Ser Gly Thr₂₀₀ Thr Ala Asp Ala Gly₂₀₅ Asn Ser Ile
 Phe Thr₂₁₀ Asn Thr Ala Ser Phe₂₁₅ Ser Pro Ala Gln Gly₂₂₀ Val Gly Val Gln
 Leu Thr₂₂₅ Arg Asn Gly Thr₂₃₀ Ile Ile Pro Ala Asn₂₃₅ Asn Thr Val Ser Leu₂₄₀
 Gly Ala Val Gly Thr₂₄₅ Ser Ala Val Ser Leu₂₅₀ Gly Leu Thr Ala Asn₂₅₅ Tyr
 Ala Arg Thr Gly₂₆₀ Gly Gln Val Thr Ala₂₆₅ Gly Asn Val Gln Ser₂₇₀ Ile Ile
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<212> DNA

<213> Artificial Sequence

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cgaggttcgg	cttatggcgg	cgtgttatct	agtttttccg	ggaccgtaaa	atataatggc	300
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